| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-----------|-------|--|---|---------------------|---------|------------------|
| L1 | 169 | (semiconductor near3 laser) same (cool\$3 (reduce near2 heat)) and ("369").clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/22 08:40 |
| L2 | 43 | (semiconductor near3 laser) near20 (cool\$3 (reduce near2 heat)) and ("369").clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/22 08:41 |
| L3 | 43 | (semiconductor near3 laser) near20 (cool\$3 (reduce near2 heat) (lower near2 temp\$5)) and ("369").clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ÖR | ON | 2005/03/22 08:42 |
| L4 | 50 | (semiconductor near3 laser) near20 (cool\$3 (reduce near2 heat) (lower near2 temperature)) and ("369"). clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/22 08:42 |
| S1 | 3238 | (369/121,122).CCLS | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/21 16:25 |
| S2 | 18293 | quantum adj well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:07 |
| S3 | 18514 | quantum adj2 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OÑ | 2005/03/02 13:08 |
| S4 | 31 | S1 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:07 |

| S5 | 5632684 | laser light source | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 14:22 |
|-----------|---------|--|---|----|----|------------------|
| S6 | 9866 | S5 near20 S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:07 |
| S7 | 1085 | indirect near10 ("semiconductor" "semi-conductor" semi adj1 conductor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:10 |
| S8 | 63 | S5 near20 (S3 and S7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:43 |
| S9 | 1 | S8 and S1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:11 |
| S10 | 691154 | (Al aluminum) and (Ga Galium) and (P phosphor\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ÖR | ON | 2005/03/02 13:13 |
| S11 | 41 | S10 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:42 |
| S12 | 792687 | (Si silicon) and (Ge Germanium) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/02 13:14 |

| S13 | 26 | S12 and S8 | US-PGPUB; | OR | ON | 2005/03/02 13:44 |
|----------|-------|---------------------------------------|----------------------------------|----|----------------|------------------|
| | | | USPAT; USOCR; | | | |
| | | | EPO; JPO; DERWENT; IBM_TDB | | | |
| S14 | 48117 | half adj2 width | US-PGPUB; USPAT; | OR | ON | 2005/03/02 13:15 |
| * " | | | USOCR; EPO; JPO; | * | V Landa San | |
| | | | DERWENT; IBM_TDB | | | |
| S15 | 4 | S14 and S8 | US-PGPUB; USPAT; | OR | ON | 2005/03/02 13:15 |
| | | | USOCR; EPO; JPO; | | | |
| | | | DERWENT; IBM_TDB | | | |
| S16 | 21 | S12 and S10 and S8 | US-PGPUB; USPAT; | OR | ON | 2005/03/02 13:45 |
| 20 | | | USOCR; EPO; JPO; | | | |
| | | | DERWENT; IBM_TDB | | | |
| S17 | 17 | S8 and detect\$3 | US-PGPUB; USPAT; | OR | ON | 2005/03/02 14:31 |
| | | | USOCR; EPO; JPO; | | | |
| | 8 78 | - 188 _ 800 C B | DERWENT; IBM_TDB | , | F., | |
| S18 | 50 | S8 and crystal | US-PGPUB; USPAT; | OR | ON | 2005/03/02 14:40 |
| | | | USOCR; EPO; JPO; | | 3 | |
| | | | DERWENT; IBM_TDB | | | |
| S19 | 30 | S8 and crystal and active and barrier | US-PGPUB; USPAT; | OR | ON | 2005/03/02 14:41 |
| | | | USOCR; EPO; JPO; | | | |
| | | | DERWENT; IBM_TDB | | 140.00 | |
| S20 | 18664 | quantum adj2 well | US-PGPUB; USPAT; | OR | ON | 2005/03/18 10:44 |
| : . % | | | USOCR; EPO; JPO; | | | |
| - | | | DERWENT; IBM_TDB | | | |

| S21 | 5661364 | laser light source | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:44 |
|-----|---------|--|---|----|----|------------------|
| S22 | 1094 | indirect near10 ("semiconductor" "semi-conductor" semi adj1 conductor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:44 |
| S23 | 18905 | (S21 near20 S22) S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:44 |
| S24 | 63 | S21 near20 (S20 and S22) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:45 |
| S25 | 18842 | S23 not S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:45 |
| S26 | 107 | S25 and (half adj value) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ÖR | ON | 2005/03/18 11:03 |
| S28 | 1365 | S25 and (confin\$5 adj5 structur\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:48 |
| S29 | 323 | S28 and ((confin\$5 adj2 structur\$2) same (active adj2 layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 10:50 |

| 620 | 224 | COE and (balk - 414141) | LIC DCDLID | O.D. | ON | 2005/02/10 11:04 |
|-----|-------|--|---|------|----|------------------|
| S30 | 324 | S25 and (half adj1 width) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 11:04 |
| S31 | 107 | S25 and (half adj1 value) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 11:04 |
| S32 | 167 | S25 and (half adj1 width) and oscillat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 11:05 |
| S33 | 13196 | (optical adj (recording reproducing)) and (laser (light adj source)) and (two dual) | US-PGPUB; USPAT; USOCR; | OR | ON | 2005/03/18 14:47 |
| | * | | EPO; JPO; DERWENT; IBM_TDB | | | |
| S34 | 245 | S33 and indirect | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 14:25 |
| S35 | 0 | (optical adj (record\$3 and reproduc\$3)) and (laser (light adj source)) and (two dual) and (indirect near2 semiconductor) | US-PGPUB; USPAT; USOCR; EPO; JPO; | OR | ON | 2005/03/18 14:48 |
| | | | DERWENT; IBM_TDB | | | |
| S36 | 280 | (optical adj (record\$3 and reproduc\$3)) and (laser (light adj source)) and (two dual) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 14:53 |
| S37 | 13 | (optical adj (record\$3 and reproduc\$3)) and ((multiple two dual several separate) adj (laser\$2 (light adj source))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/18 14:55 |

| S38 | 859 | ((direct adj current) or dc) near5 power near5 laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 16:26 |
|-----|---------|---|---|----|----|------------------|
| S39 | 91560 | ("369").CLAS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 16:26 |
| S40 | 113 | S38 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 16:26 |
| S41 | 11663 | (film layer) near10 resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ÖN | 2005/03/21 16:49 |
| S42 | 711671 | (light laser beam) with source | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:08 |
| S43 | 313 | S41 same S42 | US-PGPUB; USPAT; USOCR; EPO; JPO DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:05 |
| S44 | 52 | S43 and Bragg | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:07 |
| S45 | 4087298 | waveband pass filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:13 |

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|-----------|------|--|---|----------|------|---------------------|
| S47 | 33 | "half-value" and S45 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:11 |
| S48 | 2 | "waveband pass" adj1 filter | US-PGPUB; | OR | ON . | 2005/03/21 17:14 |
| | : 1 | | USPAT; USOCR; | f 6 | | \mathcal{L}_{i_0} |
| * | | | EPO; JPO; | | | 9 |
| , . | | | DERWENT; | . , | | |
| | | | IBM_TDB | | | 2005/02/24 47 45 |
| S49 | 2 | ("waveband pass" ("wave-band" adj1 pass)) adj1 filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/03/21 17:15 |
| S50 | 244 | ("waveband pass" ("wave-band" | US-PGPUB; | OR | ON | 2005/03/21 17:15 |
| | | adj1 pass) ("wave band" adj1 pass)) adj1 filter | USPAT; USOCR; | | | |
| · . | | pass//auji mer | EPO; JPO; | | | |
| | | | DERWENT; IBM_TDB | | | |
| S51 | 6 | S50 and S39 | US-PGPUB; | OR | ON | 2005/03/21 17:17 |
| | | | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | | | |
| S52 | 20 | S50 and S42 | US-PGPUB; | OR | ON | 2005/03/21 17:31 |
| | | | USPAT; USOCR; | | | |
| | | | EPO; JPO; | of one - | | |
| (, 1, 2) | | | DERWENT; IBM_TDB | | | |
| CES | 1001 | (("band pace" "band pace") adii | US-PGPUB; | OR | ON | 2005/03/21 17:36 |
| S53 | 1091 | (("band pass" "band-pass") adj1 filter) and S39 | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:36 |
| S54 | 1409 | (("band pass" "band-pass" | US-PGPUB; | OR | ON | 2005/03/21 17:34 |
| | | "bandpass") adj1 filter) and S39 | USPAT; USOCR; | * 1 | ** | |
| | 9 | | EPO; JPO; | - *1 | | |
| * * | | | DERWENT; IBM_TDB | | | |
| | | | 100 | | | |

| S55 | 9857 | (light laser beam) same (("band pass" "band-pass") adj1 filter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:37 |
|------------|------|---|---|----|----|------------------|
| S56 | 3853 | (light laser beam) same (("band pass" "band-pass") adj1 filter) same wavelength | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:46 |
| S57 | 26 | S56 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:45 |
| S58 | 2242 | S56 and (nm nano meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ÖR | OÑ | 2005/03/21 17:45 |
| S59 | 1228 | (light laser beam) and ((("band pass" "band-pass") adj1 filter) same wavelength same (nm meter nano)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/21 17:46 |